

The Next Generation Air Transportation System

Integrated Communication,
Navigation, and Surveillance

May 3, 2005



Integrated National Plan

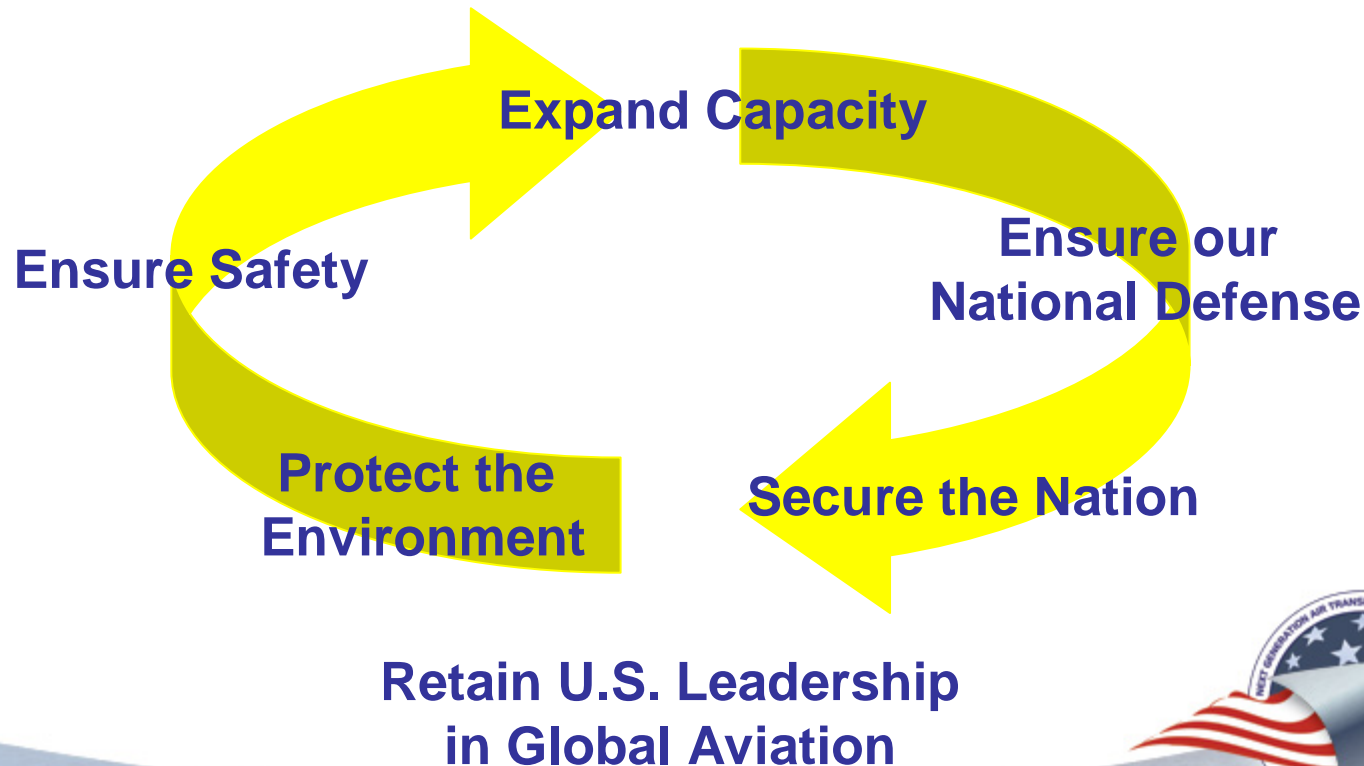


- Establishes National Goals
- Sets context for Transformation
- Sets direction for Transformation (8 Transformational Strategies)
- Creates governance model for multi-agency cooperation
- Delivered to Congress in December, 2004
 - Cleared through the Administration
 - Signed by the Secretary of Transportation and the FAA Administrator



Vision / Goals

A transformed air transportation system that provides services tailored to individual customer needs, allows all communities to participate in the global economy, and seamlessly integrates civil and military operations



The Integrated Product Teams

- Develop Airport Infrastructure to Meet Future Demand - **FAA**
- Establish an Effective Security System without Limiting Mobility or Civil Liberties - **DHS**
- Establish an Agile Air Traffic System - **NASA**
- Establish User-specific Situational Awareness - **DOD**
- Establish a Comprehensive Proactive Safety Management Approach - **FAA**
- Environmental Protection that Allows Sustained Aviation Growth - **FAA**
- Develop a System-wide Capability to Reduce Weather Impacts – **DOC/NOAA**
- Harmonize Equipage and Operations Globally - **FAA**

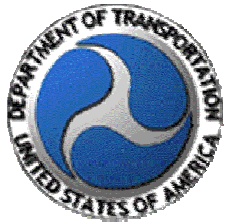


Multi-Agency Cooperative Effort

Engaging at Multiple Levels and among Multiple Agencies



Inter-agency Governance



Senior Interagency Policy Committee

- Guides and approves the National Integrated Plan



Joint Planning and Development Office (JPDO)

- Develops and oversees implementation of the National Integrated Plan



Inter-Agency Integrated Product Teams

- Develops and oversees implementation of Action Plans



JPDO 3 Year Outlook

Next Generation Air Transportation System
Joint Planning and Development Office

FY05

Achieve a clear, consistent vision for NGATS and articulate all critical institutional, policy and technology issues

Top-level EA and Transformation Roadmap

- As Is / To Be, Assumptions, Constraints, RM Elements and Decisions, Criteria
- Benefits Assessment

Alignment Assessment

- "As Is" EA assumptions and assessment
- "As Is" Programmatic Coverage & Gaps

Institutional / Policy / Technology Alternatives / Assessments

- Portfolio Coverage and Gaps

FY06

Achieve a clear, affordable roadmap to achieve NGATS

Refined EA and Transformation Roadmap

Required Portfolio to Implement the Transformation Roadmap

Investment Options

- Trade-offs / Alternatives
 - Institutional, Policy, Technology, % and balance of goals
- OMB Required Assessments

FY07

Achieve a funded portfolio of aligned programs across agencies

Complete EA, Transformation Roadmap and Portfolio

Program Planning Complete

Integrated Performance Assessment

Pursue Opportunity Based Transformation as a Complement to Planning...

- **Financing Transformation – Market-based methods and guaranteed performance to accelerate transition**
- **Field next-generation infrastructure and retire legacy systems to improve service and reduce costs**
- **Move to virtual facilities – reduce geographic tie of facilities to airspace, increasing workforce productivity**
- **Move to automation in uncontrolled airspace, increasing reliable access to small airports**

Transition from Planning to Implementation

JPDO CY05 Products

- Integrated National Plan
- Enterprise Architecture
- Integrated Action Plans
- Transformation Roadmap
- Performance Assessment
- Benefits Assessment
- Enterprise Integration Capability
- Communications Plan
- NGATS Institute
- PMO/PMP



Public – Private Partnership

National Strategic Outreach

Working with Associations to
Increase Awareness

Hear the voice
of the customer

Achieve participation
of experts



Federal Advisory Boards

Ensure NGATS is Fully
Vetted in Public
Forums

NGATS Institute
Achieve "Badgeless"
Collaboration with
Private Sector Experts



Next Generation Air Transportation System

